Architectural Thesis

Designs

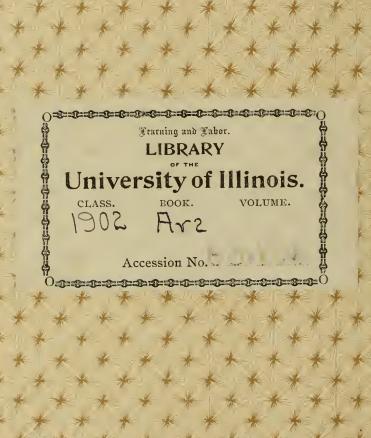
Texts

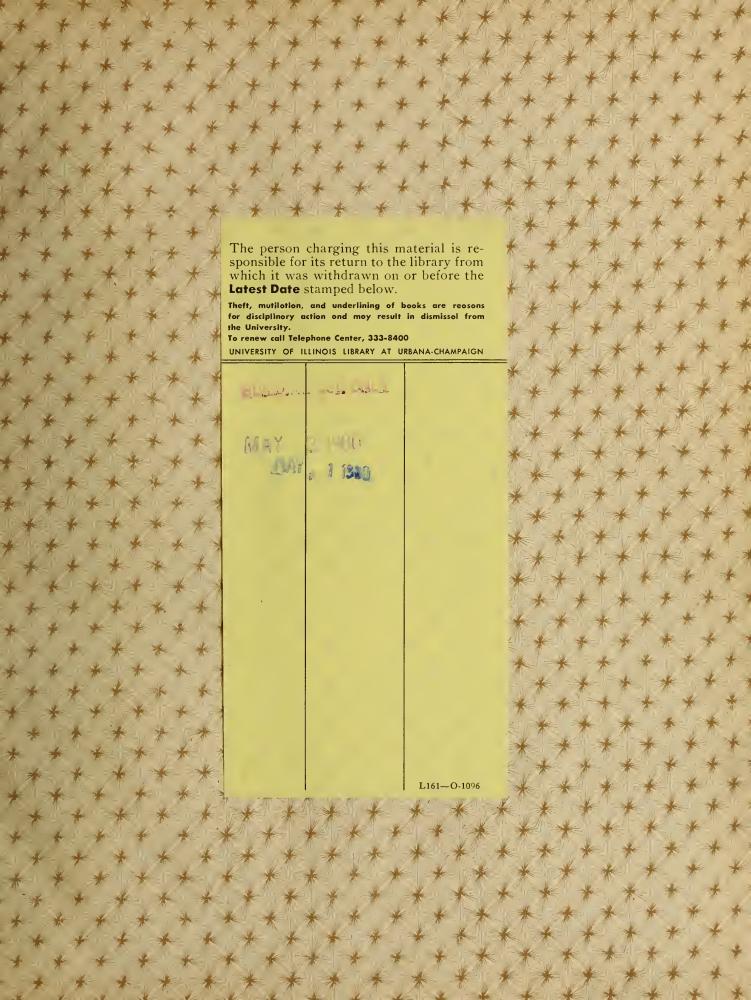
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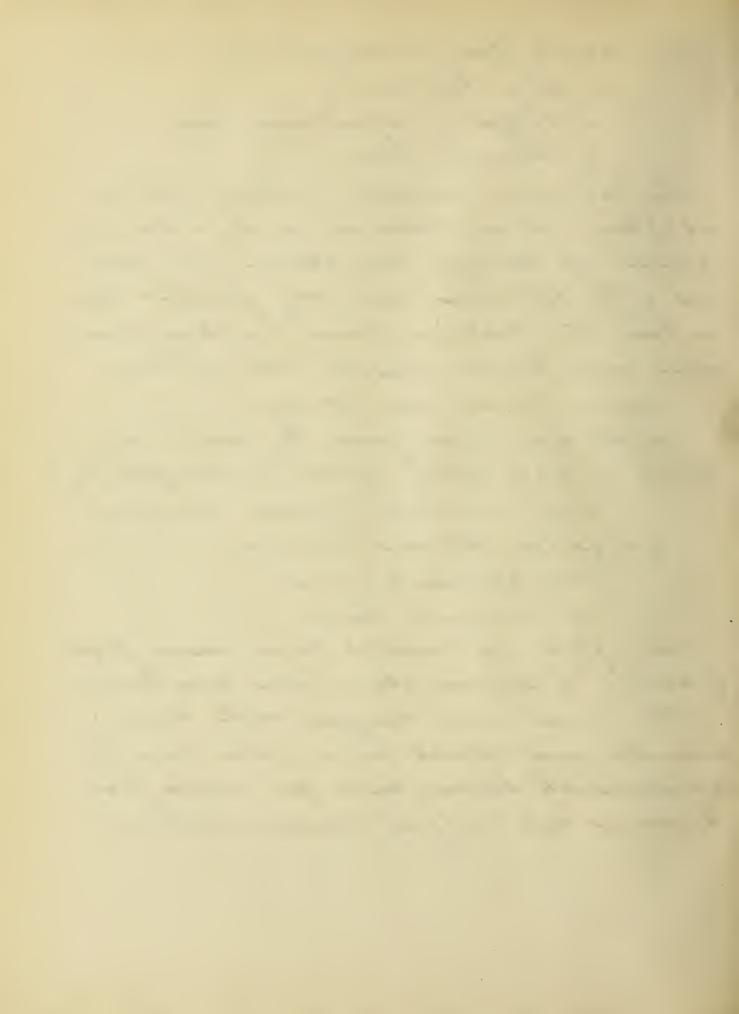
1902



UNIVERSITY OF YLL, LIBRAR







DESIGN FOR A LIBRARY

ВҰ

CHARLES HOWARD KABLE

THESIS FOR DEGREE OF BACHELOR OF SCIENCE IN ARCHITECTURE

COLLEGE OF ENGINEERING
UNIVERSITY OF ILLINOIS
PRESENTED JUNE 1902

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UNIVERSITY OF ILLINOIS

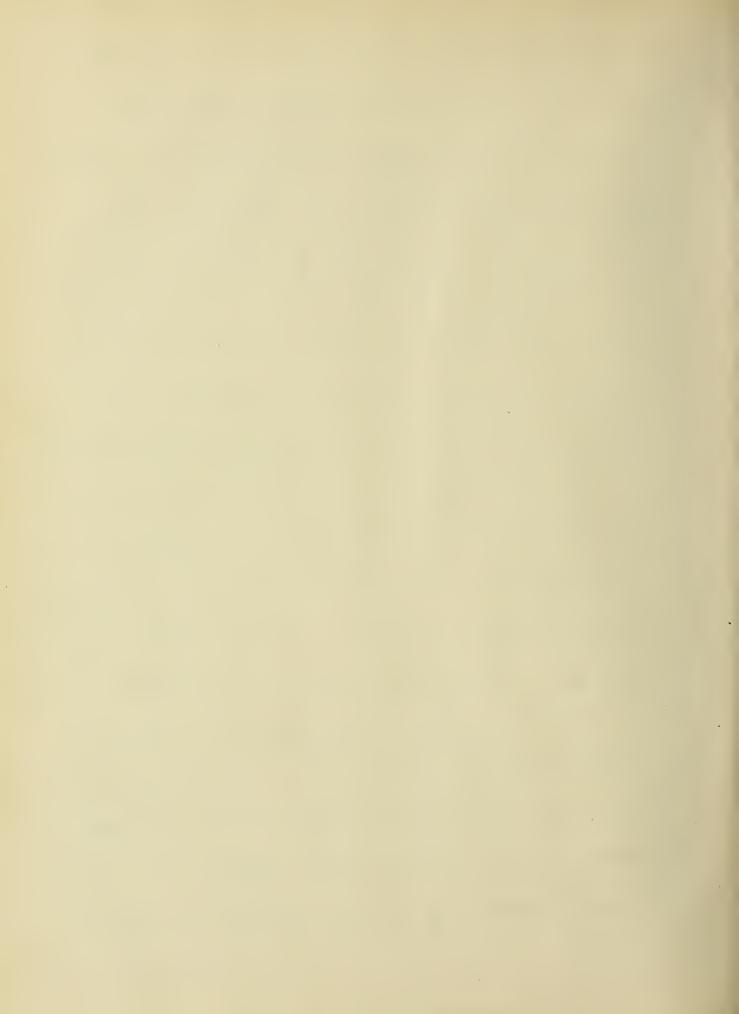
June 1, 1902 190	
THIS IS TO CERTIFY THAT THE THESIS PREPARED UNDER MY SUPERVISION BY	
Charles Howard Kable	
ENTITLED Design for a Library	
IS APPROVED BY ME AS FULFILLING THIS PART OF THE REQUIREMENTS FOR THE DEGR	EE
or Bachelor of Science in Architecture	
N. 6. Ricker	
HEAD OF DEPARTMENT OF Architecture	



The problem undertaken in This Thesis was the design of a library building similar in style and plan to That of the modern library as developed by the generous gifts of andrew Carnegie. The general type of library building developed from that used during the Middle ages in That of a large and lofty hall with shelving around it to the height of ten or twelve feet and above that a gallery or gallerier with similar tiers of shelver. When more books hall to be accommodated than the wall shelving purmitted, more woon was gained by placing the cases at

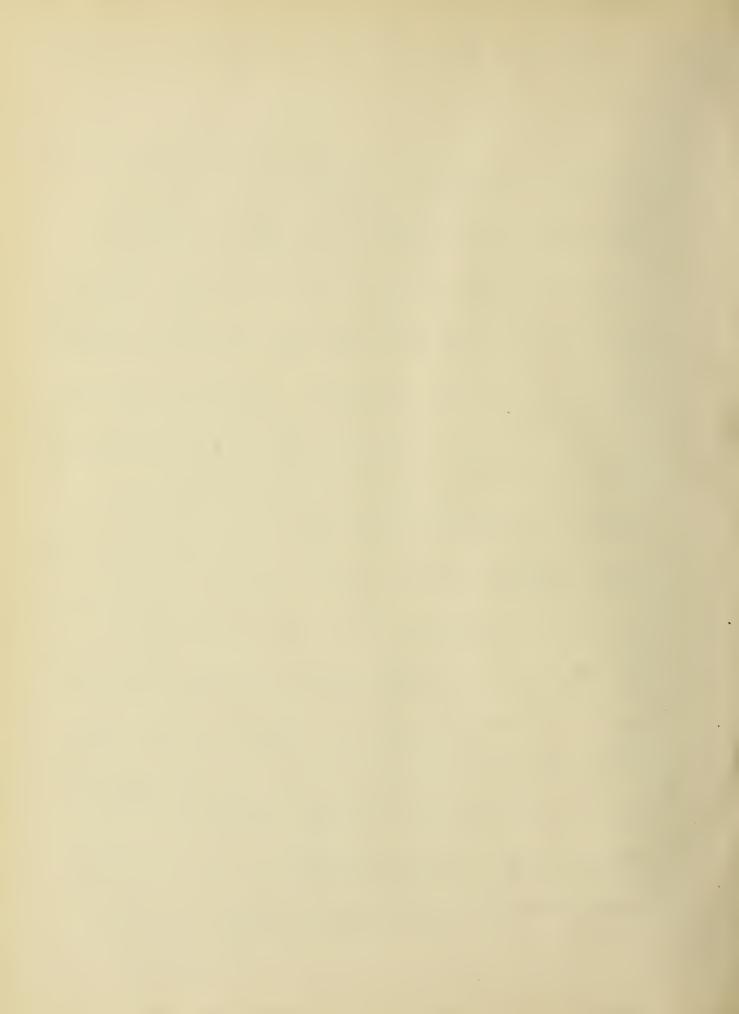


right angles to the walls, projecting some Ten or Twelve feet into the room. These formed alcover and generally tables or deshi for The readers were placed in Them. In This manner The alcove system was developed. The of posite extreme is the slock system, a Jelan which provides simply for book storage or warehousing, in which the book cares are as ranged in a seperate won away from the readers. The walls are first shelved, generally with shelver deep enough to take the quarto or folio books; Then, separate book cases, shelved on each side are placed at a distance of about three feet, at



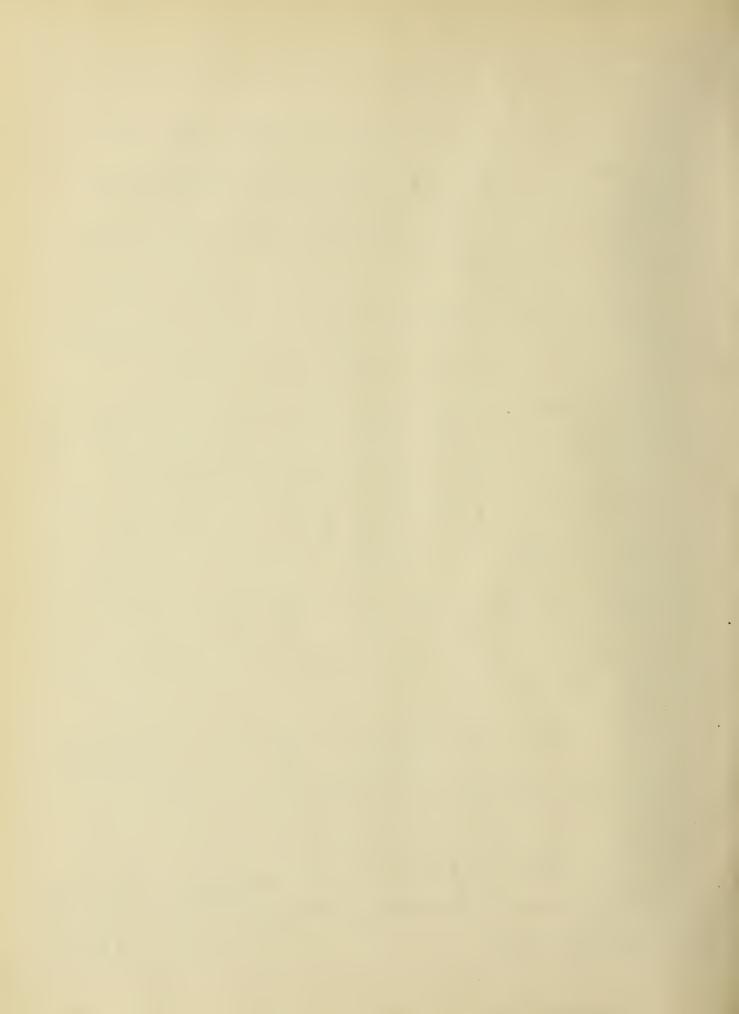
right angles To the eighted side of the room.

I here are many weak prounts in the alcome system which are greatly overcome be, the stack system. An ong the disadvantages are, The necessit, of having looked doors on the cases to awould the metilation and theft of books. The greater inconvenience to attendants in cheeling out brooks, The extra cost for a more onamental case, and in alcover of five or six galleries chigh the great damage to books on the Top Tiers caused by The superfluores heat. But it has a decided advantage in placing The books directly before the

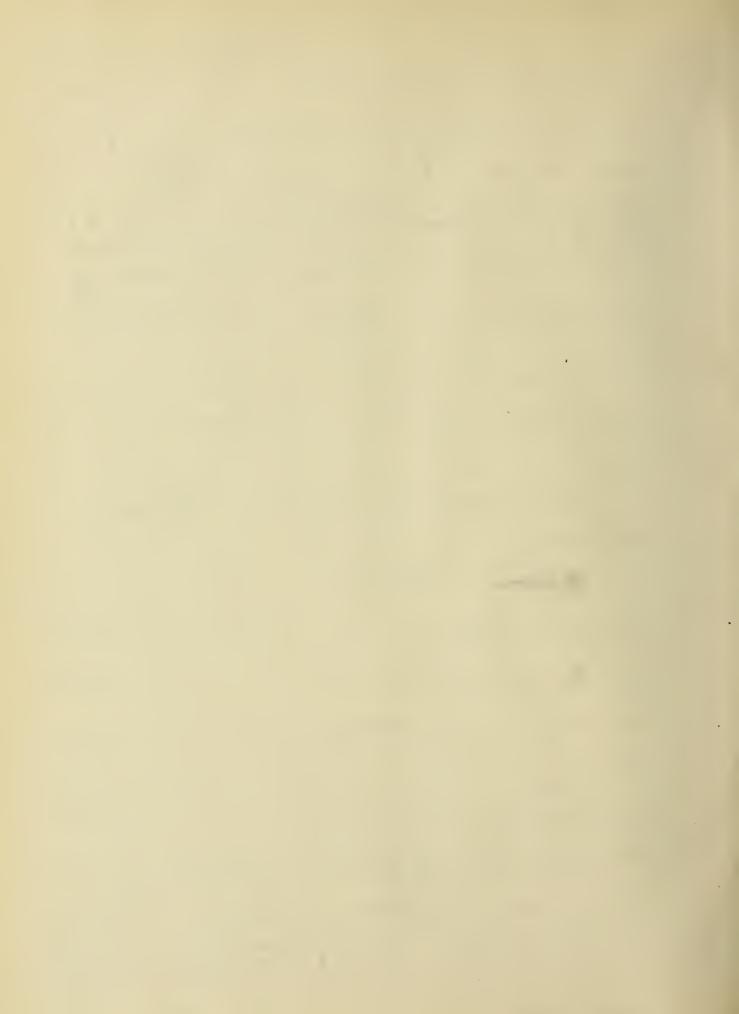


public, fre reference purposes, so in woden library buildings The a dirantages of both are attained by using the slack system with The additional wall shelves placed in the reference rooms. In calculating the Total capacity of this library, volumes were considered as the mean number of books per linear foot of shelf, and mine shelves high for sever and one half feet stories, eight shelves high for sever foot stories. The program of the problem assumed provided for the following rooms:

Main Floor. Seating aller annisgeft.
Reperence Reading Room 2 1850
Chiedrens ... 92 1850



Seating areasq. 17. Recivdical Reading Room 57 --1150 Stack, 6 stones, total capacity= 1260 Calalogeis Room - 330 Je ibranian Office - - 330 Delivery There - - 460 Sufficient vaults are provided on this floor to salisfy the needs of The librarian's office, colaloqueis noon and delivery space. a small stainway from ordering and receiving room to catalogues office. I anotorie in he provided when Ground Hoor. Jo ecture Room = - 216 -1850 art & xhilet Room Scripture & alley 1/00 Bicycle Room -144 Canitoria (1) Hice 144 Ordering and Receiving Room 330 Bindery and Work Poom -3 Storinge Poome, each -2 Principal Will Prom. 390



Second Floor.

Historical Society - 2150

Literary Society - 650

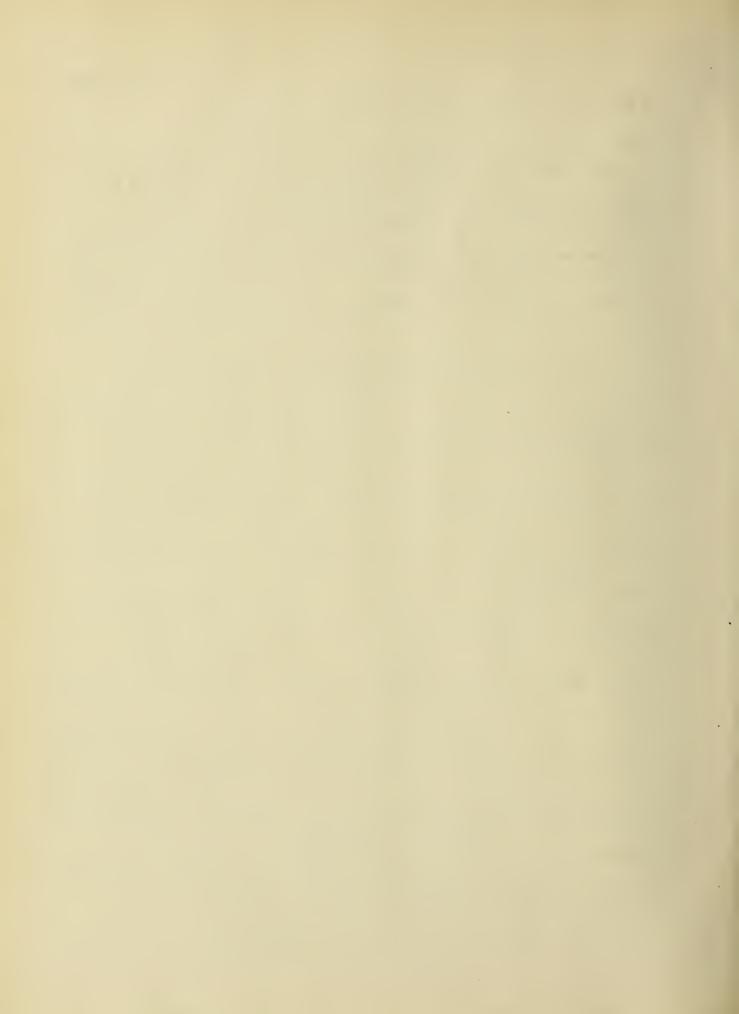
art Study, 2 wooms (486)

Director's Roon - 650

Special Study - - 650

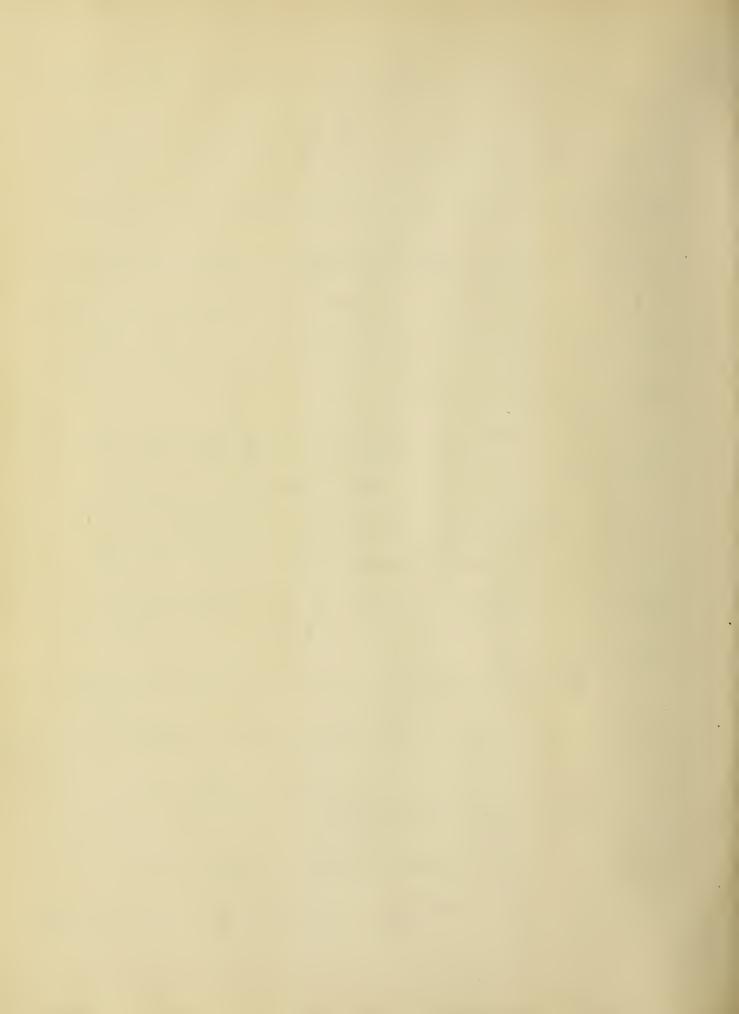
Special Study - 486

The plan developed entr a rectangular building, Three stories high, with a projection on either side, being perfectly symmetrical about both the transverse and longitudual axes. The ground floor is given up to rooms for general use. The main floor of the eibrary is jirst above This, being reacted by a downer plight of stains situated in front of the unhance. The stack is continued Throughout the Three years . nalsing six stack stories.



The main floor is given up to the chiedrens' room, reference reading room, stack, a large working and delivery space, with room's for staff and librarian It was designed as far as prossibly to give immediate supervision from the Evan deste.

The third floor is given up to society rooms, director's room and special studies, which, it is supposed would be needed in a Town, making use of a library of This brinding is to be constructed of frieproof materials Throughout. Exterior works of a whitish sandstone; copper wor with sky. eights; outside doors, door and window casings painted a dark color,



The interior to be treated in a very attractive manner; ploors laid with tries in running protterns; ceilings be and and paneled; walls decorated in presco colors.

Probable cost of buildings





